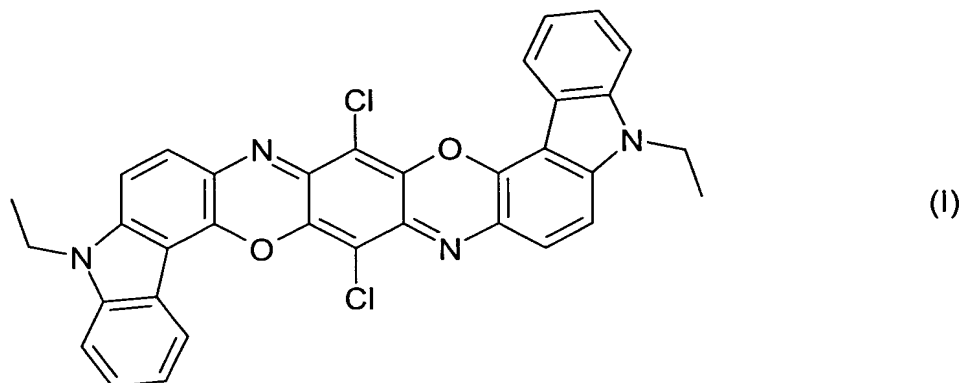


## Claims:

- 1) The use of a pigment preparation comprising  
 a) a dioxazine compound of the formula (I) as base pigment

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and

- b) a dioxazine compound of the formula (II) as pigment dispersant

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in which

Q is an m-valent radical of the base pigment of the formula (I),

Y is a bridging moiety from the series  $-(CR^1R^2)_x-$  with x being 1 to 6, substituted or unsubstituted phenylene,  $-CO-$ , or  $-NR^3-$ , or a nonrepeating or repeating combination of at least two such bridging members of different type,  $R^1$ ,  $R^2$ , and  $R^3$  independently of one another being hydrogen or  $C_1$ - $C_4$ -alkyl,

X is the radical of an aliphatic or aromatic, five-, six- or seven-membered heterocyclic system which is attached to the bridging member Y via a C atom and has in each case 1 to 3 identical or different ring heteroatoms from the series nitrogen, oxygen or sulfur and if desired also has a benzo-fused ring and may be substituted by  $C_1$ - $C_4$ -alkyl,  $C_2$ - $C_4$ -alkenyl,  $C_1$ - $C_3$ -hydroxyalkyl or phenyl;

or is a phthalimido radical which is attached to the bridging member Y via the imide nitrogen and which may be substituted up to a maximum of four

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times on the benzoid ring by chloro, bromo, nitro, carboxyl, N-(C<sub>1</sub>-C<sub>5</sub>-alkyl)carbamoyl, N-phenylcarbamoyl or benzoylamino;

or is a radical -NR<sup>4</sup>R<sup>5</sup>, in which R<sup>4</sup> and R<sup>5</sup> independently of one another are each hydrogen, substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub>-alkyl or C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>5</sub>-C<sub>6</sub>-cycloalkyl, substituted or unsubstituted phenyl, benzyl or naphthyl; or in which the group -NR<sup>4</sup>R<sup>5</sup> forms an aliphatic or aromatic, five-, six- or seven-membered heterocyclic system having in each case 1 to 3 identical or different ring heteroatoms from the series nitrogen, oxygen or sulfur, which if desired also has a benzo-fused ring and may be substituted by

hydroxyl, oxo, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>2</sub>-C<sub>4</sub>-alkenyl, C<sub>1</sub>-C<sub>3</sub>-hydroxyalkyl or phenyl, and

m indicates a numerical value between 1 and 4,

as a colorant in color filters, ink-jet inks, electrophotographic toners and developers, and electronic inks.

2) The use as claimed in claim 1, wherein

Y has the definition -(CH<sub>2</sub>)<sub>p</sub>-, -CO-NR<sup>3</sup>-(CH<sub>2</sub>)<sub>p</sub>-, -CH<sub>2</sub>-NR<sup>3</sup>-CO-(CH<sub>2</sub>)<sub>p</sub>- or -CH<sub>2</sub>-NR<sup>3</sup>-CO-CH<sub>2</sub>-NH-(CH<sub>2</sub>)<sub>n</sub>-, in which R<sup>3</sup> is hydrogen or C<sub>1</sub>-C<sub>4</sub>-alkyl, and n and p independently of one another are each numerical values from 1 to 6,

X is the radical of a furan, thiophene, pyrrole, pyrazole, thiazole, oxazole,

triazole, imidazole, thionaphthene, benzoxazole, benzothiazole, benzimidazole, benzotriazole or indole which is attached to the bridging member Y via a C atom; or is a radical -NR<sup>4</sup>R<sup>5</sup>, in which R<sup>4</sup> and R<sup>5</sup> independently of one another are each hydrogen, unsubstituted or substituted C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>5</sub>-C<sub>6</sub>-cycloalkyl, unsubstituted or substituted phenyl, benzyl or naphthyl;

or in which the group -NR<sup>4</sup>R<sup>5</sup> is a pyrrolinyl, pyrrolidinyl, piperidinyl, morpholinyl, homopiperidinyl or imidazolyl which if desired also has a benzo-fused ring and may be substituted by hydroxyl, oxo, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>3</sub>-hydroxyalkyl or phenyl, and

m is a number from 1 to 3.

3) The use as claimed in claim 1 or 2, wherein

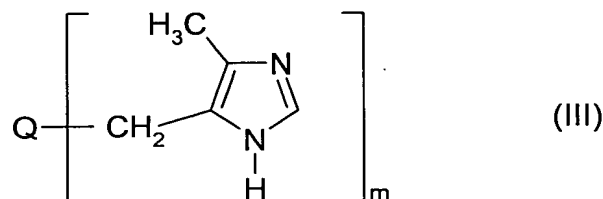
Y is -(CH<sub>2</sub>)<sub>1-3</sub>-, -CO-NH-(CH<sub>2</sub>)<sub>1-3</sub>-, -CH<sub>2</sub>-NH-CO-(CH<sub>2</sub>)<sub>1-3</sub>- or -CH<sub>2</sub>-NH-CO-CH<sub>2</sub>-NH-(CH<sub>2</sub>)<sub>2-3</sub>-,

X is imidazolyl which is attached to the bridging member Y via the imide nitrogen or the positions 4 or 5, or is a radical  $-NR^4R^5$ ,  $R^4$  and  $R^5$  being hydrogen or C<sub>1</sub>-C<sub>4</sub>-alkyl, and

m is a number from 1 to 2.5.

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4) The use as claimed in at least one of claims 1 to 3, wherein the pigment dispersant is a compound of the formula (III)



10 in which

m stands for a numerical value from 1 to 4.

5) The use as claimed in claim 4, wherein m is a number from 1 to 2.

15 6) The use as claimed in at least one of claims 1 to 5, wherein the pigment preparation contains 0.5% to 99% by weight of pigment dispersant of the formula (II) or (III), based on the weight of the base pigment of the formula (I).

20 7) The use as claimed in claim 6, wherein the pigment preparation contains 5% to 30% by weight of pigment dispersant of the formula (II) or (III), based on the weight of the base pigment of the formula (I).

25 8) The use as claimed in at least one of claims 1 to 7, wherein the pigment preparation is shaded with a colorant from the group of organic or inorganic pigments or of organic dyes.